

Amendments to the Claim:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-4 (cancelled).

5 (previously presented). An isolated Chlamydia pneumoniae protein free of any other chlamydial protein, wherein said isolated protein comprises the amino acid sequence as set forth in SEQ ID NO:2, said protein being.

6-9 (cancelled).

10 (currently amended). A composition ~~for immunising a mammal against Chlamydia pneumoniae, said composition~~ comprising a ~~the~~ protein of claim 5 and a pharmaceutically acceptable carrier.

11-12 (cancelled).

13 (currently amended). A method of ~~immunizing a mammal against Chlamydia pneumoniae which comprises use of an~~ generating an immune response in a mammal comprising administering to the mammal an immunologically effective amount of a ~~the~~ protein according to of claim 5 ~~for immunising a mammal against Chlamydia pneumoniae~~.

14-17 (cancelled).

18 (currently amended). ~~Species specific method for identifying infection of a mammal with~~ A method of identifying a Chlamydia pneumoniae infection in a mammal, said method comprising:

(a) obtaining a sample ~~of a biological fluid or tissue from a mammal suspected of being infected with Chlamydia pneumoniae comprising antibodies from the~~ mammal,

(b) contacting said sample with a diagnostic reagent, said reagent comprising ~~an isolated~~ the protein according to of claim 5 in labeled or immobilized form, and

USSN - 09/446,677

(c) detecting binding of antibodies in the sample with the diagnostic reagent, and

(d) correlating the presence of binding of said protein with antibodies in a component of said sample to with the presence ~~or absence~~ of an infection.

19-44 (cancelled).